AUTODOC CLUB

How to change front ABS sensor on **BMW 3 Touring (E91)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

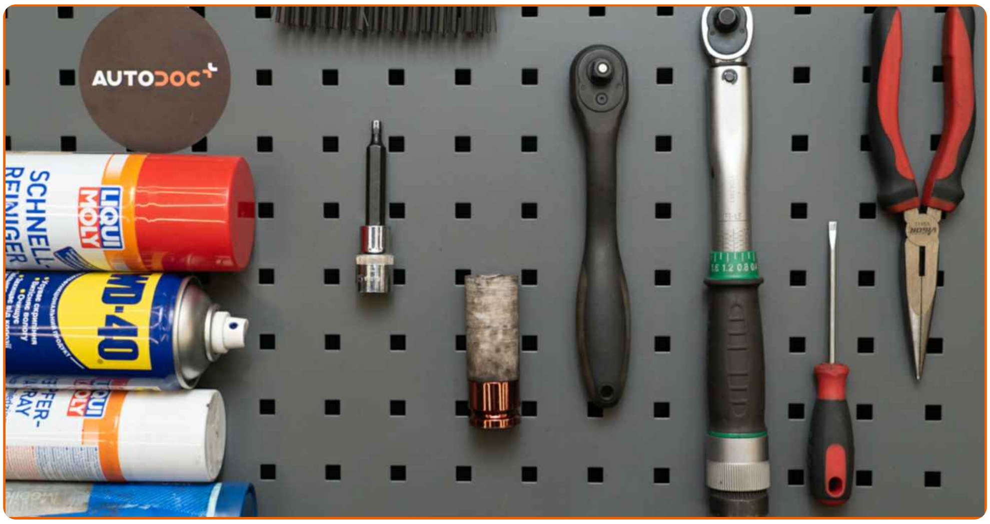
Important!

This replacement procedure can be used for:
BMW 3 Touring (E91) 325i 3.0, BMW 3 Touring (E91) 325i 2.5, BMW 3 Touring (E91) 330i 3.0, BMW 3 Touring (E91) 330d 3.0, BMW 3 Touring (E91) 325xi 2.5, BMW 3 Touring (E91) 335i 3.0, BMW 3 Touring (E91) 335d 3.0, BMW 3 Touring (E91) 325d 3.0, BMW 3 Touring (E91) 335xi 3.0, BMW 3 Touring (E91) 320d 2.0, BMW 3 Touring (E91) 323i 2.5, BMW 3 Touring (E91) 335i xDrive 3.0, BMW 3 Touring (E91) 320i 2.0, BMW 3 Touring (E91) 330 i

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: BMW 1 Coupe (E82) 125i 3.0

REPLACEMENT: ABS SENSOR – BMW 3 TOURING (E91). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Multipurpose grease
- Copper grease
- HEX bit no.H5.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Round-nose pliers
- Wheel chock

Buy tools

Replacement: abs sensor – BMW 3 Touring (E91). Professionals recommend:

- The replacement procedure is identical for both ABS sensors on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: ABS SENSOR – BMW 3 TOURING (E91). TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.



2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the front of the car and secure on supports.

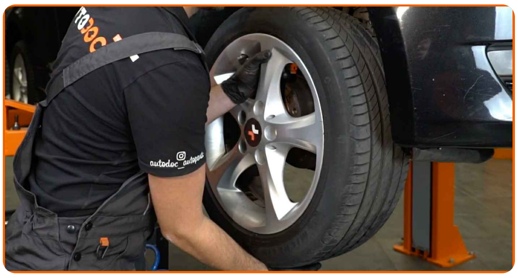
4 Unscrew the wheel bolts.



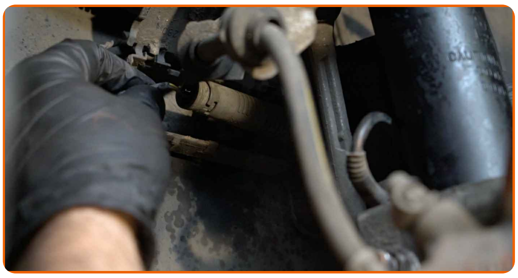
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. BMW 3 Touring (E91)

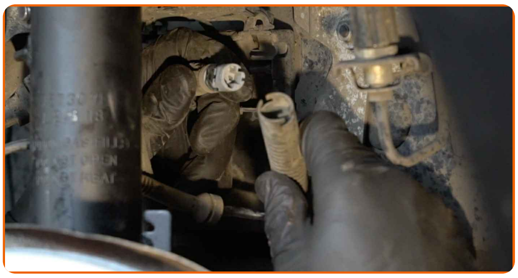
5 Remove the wheel.



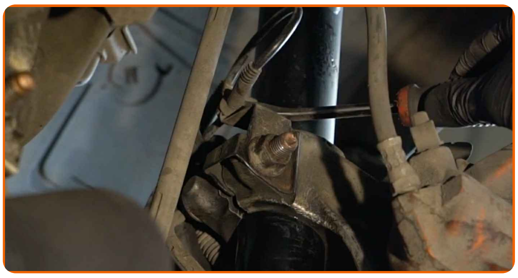
6 Disconnect the ABS sensor wiring.



7 Detach the ABS sensor connector.



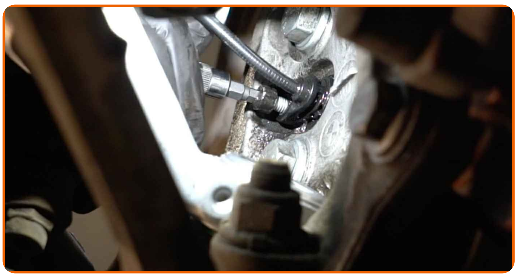
8 Disconnect the ABS sensor wiring.



9 Clean the ABS sensor fastener. Use a wire brush. Use WD-40 spray.



10 Unscrew the ABS sensor fastening from the steering knuckle. Use HEX No.H5. Use a ratchet wrench.



11 Remove the ABS sensor from the steering knuckle. Use round-nose pliers.



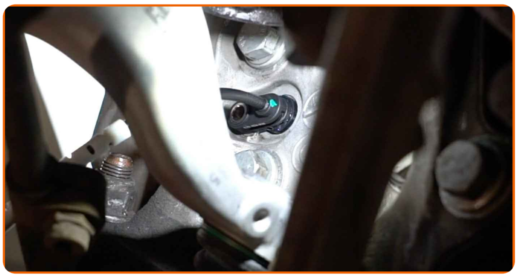
12 Clean the ABS sensor mounting seat. Use a wire brush. Use all-purpose cleaning spray.



13 Treat the ABS sensor fastener. Use a multipurpose grease. Use a flat screwdriver.



14 Install the ABS sensor on the steering knuckle and secure it.

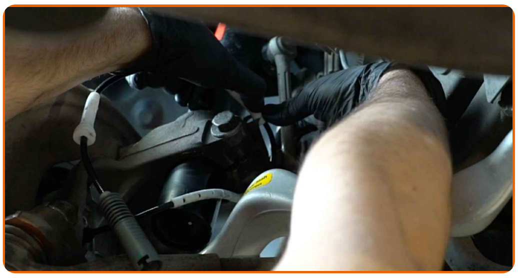


15 Tighten the fastener that connects the ABS sensor to the steering knuckle. Use HEX No.H5. Use a torque wrench. Tighten it to 13 Nm torque.



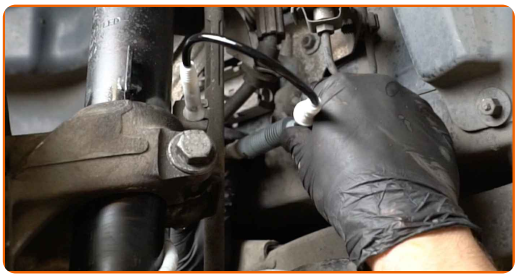
16

Connect the ABS sensor wiring.



17

Attach the ABS sensor connector.



18

Connect the ABS sensor wiring.



19

Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



20 Clean the brake disk surface. Use a brake cleaner.



Replacement: abs sensor – BMW 3 Touring (E91). AUTODOC recommends:

- After applying the spray, wait a few minutes.

21 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. BMW 3 Touring (E91)

22 Screw in the wheel bolts. Use wheel impact socket #17.



23 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.



24 Remove the jacks and chocks.



WELL DONE!

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